TABLE 6
DEVELOPMENT OF SECONDARY NON HOME-BASED TRIPS

1. For Base Year

$$\text{Base Year Secondary NHB Trips} = \left[\text{Total External Trips} - \text{Int-Ext Trips Garaged Inside the Planning Area} \right] \times 0.55$$

1994 NHB_{sec} = (40,514 - 15,393) x 0.55 = 13,817 (use 13,800)

2. For Future Year

2020 Future Year Secondary NHB Trips = (77,092 - 20,484) x 0.55 = 31,134 (use 31,000)

1994 INTERNAL TRIP ATTRACTIONS:

The trip attraction factors for home based work trips were assumed to be total employment within the zones. Trip attraction factors for other home based (OHB) trips and non-home based (NHB) trips were assumed to be identical and were found using a regression equation modified from the previous thoroughfare plan study. The general equation for estimating trip attraction factors was as follows.

$$Y = 18.51 + 1.00X_1 + 2.45X_2 + 8.36X_3 + 2.60X_4 + 3.26X_5 + 0.30X_6$$

With variable definition as follows:

	Standard Industrial Code
Y = Attraction factor	
X_1 = Industrial	1-49
X_2 = Retail	50-54, 56, 57, 59
X_3 = Highway Retail	55, 58
X_4 = Office and Institutional	60-67, 91-97
X_5 = Service	70-76, 78-89, 99
X_6 = All Dwelling Units	

This analysis yields a relative attraction factor that must then be factored to match productions. Zone attractions were also adjusted to match productions.